package Demo;

public class AssignmentOperator

{

public static void main (String[]args)

{

int a = 10;

int b = 20;

int c;

System.out.println (c = a); // Output =10

System.out.println (b += a); // Output=30

System.out.println (b -= a); // Output=20

System.out.println (b \*= a); // Output=200

System.out.println (b /= a); // Output=2

System.out.println (b %= a); // Output=0

System.out.println (b ^= a); // Output=0

}

}

package Demo;

public class RelationalOperator

{

public static void main (String[]args)

{

int a = 10;

int b = 20;

System.out.println (a == b); // returns false because 10 is not equal to 20

System.out.println (a != b); // returns true because 10 is not equal to 20

System.out.println (a > b); // returns false

System.out.println (a < b); // returns true

System.out.println (a >= b); // returns false

System.out.println (a <= b); // returns true

}

}

public class LogicalOperators

{

public static void main (String[]args)

{

int a = 10;

System.out.println (a < 10 & a < 20); //returns false

System.out.println (a < 10 || a < 20); //returns true

System.out.println (!(a < 10 & a < 20)); //returns true

}

}

public class UnaryOperator

{

public static void main (String[]args)

{

int a = 10;

boolean b = true;

System.out.println (a++); //returns 11

System.out.println (++a);

System.out.println (a--);

System.out.println (--a);

System.out.println (!b); // returns false

}

}